

Converting Colors

CIELCh(16, 49.000, 298.474)

Have a look what the booklet for
CIELCh(16, 49.000, 298.474)
contains.

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Color

CIELCh(16, 48.870, 298.576)

Conversions

Conversions Part 1

Format	Color
Hex	141F66
RGB	20, 31, 102
RGB Percent	8%, 12%, 40%
CMY	0.9207, 0.8780, 0.5994
CMYK	0.80, 0.70, 0.00, 0.60
HSL	232°, 67%, 24%
HSV	232°, 80%, 40%
XYZ	3.1914, 2.0993, 12.8450
YIQ	35.8050, -29.3470, 19.7490

Conversions

Conversions Part 2

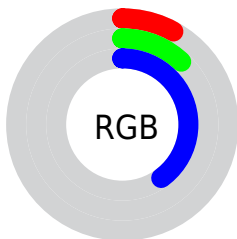
Format	Color
R_{YB}	20, 30, 102
Decimal	1318758
CIE _{Lab}	16.00, 23.38, -42.92
CIE _{LCh}	16, 48.870, 298.576
Yxy	2.0993, 0.1760, 0.1158
Android (android.graphics.Color)	4279508838 (0xFF141F66)
YUV	35.8050, 32.6341, -13.8610
Hunter-Lab	14.4890, 13.9618, -42.4204

Details

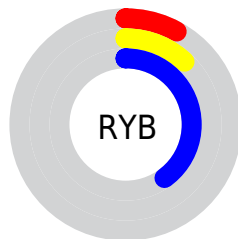
The CIELCh color **16, 48.870, 298.576** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **39, 39.928, 95.881**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 48.881, 298.451**, and **2, 36.099, 297.925** is the 20% darker color. If you saturate the color by 10%, you get **13, 55.335, 301.082**, and if you desaturate by 10%, it is **19, 42.181, 296.043**.

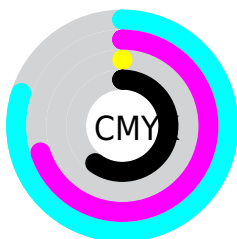
Distribution



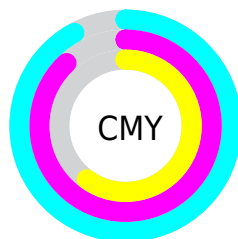
- Red (8%)
- Green (12%)
- Blue (40%)



- Red (8%)
- Yellow (12%)
- Blue (40%)



- Cyan (80%)
- Magenta (70%)
- Yellow (0%)
- Black (60%)



- Cyan (92%)
- Magenta (88%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 48.870, 298.576 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 16, 48.870, 298.576 by changing the saturation by 10% instead.

■ 16, 48.870,
298.576

■ 16, 48.870,
298.576

■ 100, 48.870,
298.576

■ 6, 48.870, 298.576

■ 36, 48.870,
298.576

■ 0, 48.870, 298.576

■ 46, 48.870,
298.576


■ 56, 48.870,
298.576


■ 66, 48.870,
298.576


■ 76, 48.870,
298.576


■ 86, 48.870,


298.576


 96, 48.870,
298.576


 16, 48.870,
298.576


 16, 48.870,
298.576


 13, 55.335,
301.082


 19, 42.181,
296.043

 11, 61.049,
303.068

 22, 35.559,
293.648

 26, 29.126,
291.480

 29, 22.914,
289.569

 33, 16.922,
287.909

■ 36, 11.135,
286.477

■ 40, 5.536, 285.248

■ 43, 0.114, 284.828

■ 47, 5.146, 103.232

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16, 48.870, 298.576



39, 39.928, 95.881

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16, 48.870, 298.576



16, 48.870, 348.576



16, 48.870, 118.576



16, 48.870, 168.576

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16, 48.870, 298.577



45, 16.510, 287.092



39, 26.304, 181.360



21, 11.298, 287.460



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16, 48.870, 298.577



17, 72.640, 302.990



16, 54.688, 309.246



19, 3.037, 285.105



13, 67.007, 303.385



33, 121.198, 304.606

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22, 39.618, 23.087



27, 56.915, 30.945



40, 46.493, 121.289



19, 2.479, 9.138



23, 52.538, 31.551



51, 94.327, 34.866

Previews

White Background



This preview shows how the CIE LCh color 16, 48.870, 298.576 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 16, 48.870, 298.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

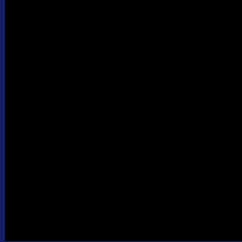
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 48.870, 298.576

Background



This preview shows how black text looks on a background with the CIELCh color 16, 48.870, 298.576.



This preview shows how white text looks on a background with the CIELCh color 16, 48.870, 298.576.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


16, 48.870, 298.576

Protanopia

16, 30.535, 282.222

Deuteranopia

16, 21.402, 266.210



Tritanopia
16, 14.463, 205.048

Trichromacy



Original Color
16, 48.870, 298.576

Protanomaly
16, 37.080, 290.145

Deuteranomaly
16, 31.061, 285.053

Tritanomaly
15, 20.935, 270.509

Monochromacy



Original Color
16, 48.870, 298.576

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 18.503, 290.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 48.870, 298.576 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(20, 31, 102)` looks like.

```
.text, #text, p{  
    color:rgb(20, 31, 102)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(20, 31, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 31, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 48.870, 298.576 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(20, 31, 102) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(20, 31, 102) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(20, 31, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 31, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 31, 102);  
box-shadow:4px 4px 4px 4px rgb(20, 31,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 48.870, 298.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 31, 102) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(20, 31,  
102) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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